

DISPENSING OPTICIAN
(optical goods; retail trade)
DOT Code: 299.361-010

DESCRIPTION:

Fills ophthalmic eyeglass prescriptions and fits and adapts lenses and frames, utilizing written optical prescription: Evaluates prescription in conjunction with client's vocational and avocational visual requirements. Determines client's current lens prescription, when necessary, using lensometer or lens analyzer and client's eyeglasses. Recommends specific lenses, lens coatings, and frames to suit client needs. Assists client in selecting frames according to style and color, coordinating frames with facial and eye measurements and optical prescription. Measures client's bridge and eye size, temple length, vertex distance, pupillary distance, and optical centers of eyes, using millimeter rule and light reflex pupillometer. Prepares work order and instructions for grinding lenses and fabricating eyeglasses. Verifies finished lenses are ground to specification. Heats, shapes, or bends plastic or metal frames to adjust eyeglasses to fit client, using pliers and hands. Instructs clients in adapting to, wearing, and caring for eyeglasses. Sells optical goods, such as binoculars, plano sunglasses, magnifying glasses, and low vision aids. Repairs damaged frames. May be required to hold license issued by governing state. May fabricate lenses to prescription specifications. May select and order frames for display. May grind lens edges or apply coating to lenses. May manage one or more optical shops. May compute amount of sale and collect payment for services. May fit contact lenses only and be designated Optician, Contact-Lens Dispensing (optical goods; retail trade).

WORK PROCESS SCHEDULE:

<u>ON-THE-JOB-TRAINING</u>	<u>APPROXIMATE HOURS</u>
<u>GENERAL OPTICAL TRAINING</u>	2500
A. Lensometer measurements	
1. Sphere	
2. Cylinder	

- 3. Axis
 - 4. Prism
 - 5. Marking
- B. Lens Cutting
 - 1. Patterns
 - 2. Cribbing
- C. Automatic edging
 - 1. Rimless
 - 2. Bevel
- D. Drilling
- E. Hand stone edging
 - 1. Blue
 - 2. White
- F. Lens hardening
 - 1. Drop ball testing
- G. Colmoscope
- H. Hot cones
 - 1. Alterations of zyl frames (size and shape)
 - 2. Insertion
- I. Lens measuring devices
 - 1. Clock
 - 2. Vernier scale
 - 3. Thickness gage
 - 4. Neutralization
 - 5. Power computers
- J. Fitting tools
 - 1. Pliers
 - 2. Files
 - 3. Multimeasure
 - 4. Pupilometer
 - 5. Hot bath

CONTACT LENS FAMILIARIZATION

1000

- A. Keratometer
- B. Topogometer
- C. Slit lamp
- D. Radioscope

- E. Cobalt light with fluorescein
- F. Molding equipment
- G. Measuring gages
- H. Surfacing unit

(Supervised Practice with Patients)

OPTICAL-FITTING OF EYEGLASSES 1300

- A. Measurement for glasses
- B. RX interpretation
- C. Lens type selection
- D. Lens designing
- E. Adjusting glasses

CONTACT LENSES 800

- A. Keratometer measurements
- B. Lens design (corneal)
- C. Lens inspection
- D. Lab bench procedures

ADMINISTRATIVE WORK 400

- A. Inventory control
 - 1. Purchasing
 - 2. Statistical studies
 - 3. Pricing by formula
- B. Office Management
 - 1. Credit
 - 2. Correspondence

TOTAL HOURS 6000

RELATED TECHNICAL INSTRUCTION:

The Commonwealth of Massachusetts requires 150 hours each year of related technical instruction which must be mastered by the apprentice in order to successfully complete the program. For further information, please call the Division of Apprentice Training at (617) 626-5409.